

Daily Report

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Intro

Today I spent most of the time on the seminar report. Also I read some paper on recent research projects and did some implementations.

Reading

[1] is one of the most recent papers that involves in analysis of heterogeneous network. The author introduces Orion, a system that supports constructing graphs from table data and analysis of graphs like path search, subnetwork extraction, etc. However, the system, which is just like a basic graph analysis tool, does not provide features like community detection and extraction, semantic tagging and visualization of context information, while these points should be the contributions in our project.

I also skimmed [2] for it is also a potential research direction. However currently there are no ideas about this point.

Research

The whole platform is still under construction, which may take a bit more time to have the views constructed. I am thinking about drawing a sketch of interface by hand for further discussion.

References

- [1] J. Heer and A. Perer, “Orion: A system for modeling, transformation and visualization of multidimensional heterogeneous networks,” in *Visual Analytics Science and Technology (VAST), 2011 IEEE Conference on*, pp. 51–60, 2011.
- [2] M. Savva, N. Kong, A. Chhajta, L. Fei-Fei, M. Agrawala, and J. Heer, “ReVision: automated classification, analysis and redesign of chart images,” in *UIST '11: Proceedings of the 24th annual ACM symposium on User interface software and technology*, ACM Request Permissions, Oct. 2011.